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OM protein - protein search, using sw model

Run on: July 9, 2002, 12:06:10 ; Search time 13.13 Seconds
(without alignments)
9.301 Million cell updates/sec

Title: US-09-759-484-3
Perfect score: 22
Sequence: 1 AMVSE 5

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	21	95.5	519	1	US-08-462-949-2	Sequence 2, Appli
2	21	95.5	519	1	US-08-023-764B-2	Sequence 2, Appli
3	19	86.4	15	4	US-08-912-276-16	Sequence 16, Appl
4	19	86.4	44	5	PCT-US92-00282-21	Sequence 21, Appl
5	19	86.4	69	4	US-08-912-276-23	Sequence 23, Appl
6	19	86.4	90	3	US-08-821-451A-4	Sequence 4, Appli
7	19	86.4	90	4	US-09-263-810-4	Sequence 4, Appli
8	19	86.4	90	4	US-08-912-276-15	Sequence 15, Appl
9	19	86.4	90	4	US-09-583-169-4	Sequence 4, Appli
10	19	86.4	271	2	US-08-568-459A-14	Sequence 14, Appl
11	19	86.4	271	2	US-08-487-826B-26	Sequence 26, Appl
12	19	86.4	283	4	US-09-036-987A-13	Sequence 13, Appl
13	19	86.4	283	4	US-09-370-700-13	Sequence 13, Appl
14	19	86.4	305	3	US-09-335-409-22	Sequence 22, Appl
15	19	86.4	305	4	US-09-568-102-22	Sequence 22, Appl
16	19	86.4	305	4	US-09-567-969-22	Sequence 22, Appl
17	19	86.4	305	4	US-09-568-480-22	Sequence 22, Appl
18	19	86.4	305	4	US-09-568-486-22	Sequence 22, Appl
19	19	86.4	305	4	US-09-568-472-22	Sequence 22, Appl
20	19	86.4	310	1	US-08-129-456A-37	Sequence 37, Appl
21	19	86.4	312	4	US-08-360-821B-36	Sequence 36, Appl
22	19	86.4	367	3	US-08-895-707-6	Sequence 6, Appli
23	19	86.4	374	4	US-09-306-881-2	Sequence 2, Appli
24	19	86.4	386	3	US-08-895-707-7	Sequence 7, Appli
25	19	86.4	387	1	US-08-539-798-2	Sequence 2, Appli
26	19	86.4	387	1	US-08-329-560-2	Sequence 2, Appli
27	19	86.4	391	2	US-08-644-034A-1	Sequence 1, Appli
28	19	86.4	392	1	US-08-706-539-9	Sequence 9, Appli
29	19	86.4	392	4	US-09-027-007-9	Sequence 9, Appli
30	19	86.4	395	1	US-08-485-859-2	Sequence 2, Appli
31	19	86.4	395	1	US-08-706-539-11	Sequence 11, Appl
32	19	86.4	395	1	US-08-522-166-2	Sequence 2, Appli
33	19	86.4	395	1	US-08-488-382A-2	Sequence 2, Appli
34	19	86.4	395	2	US-08-480-912-2	Sequence 2, Appli
35	19	86.4	395	4	US-09-027-007-11	Sequence 11, Appl
36	19	86.4	442	4	US-09-252-292C-29	Sequence 29, Appl
37	19	86.4	492	4	US-09-413-814-72	Sequence 72, Appl
38	19	86.4	493	4	US-09-177-349-5	Sequence 5, Appli
39	19	86.4	529	5	PCT-US92-00282-7	Sequence 7, Appli
40	19	86.4	531	5	PCT-US92-00282-5	Sequence 5, Appli
41	19	86.4	531	5	PCT-US92-00282-6	Sequence 6, Appli
42	19	86.4	532	2	US-08-579-777A-2	Sequence 2, Appli
43	19	86.4	533	5	PCT-US92-00282-3	Sequence 3, Appli
44	19	86.4	534	5	PCT-US92-00282-4	Sequence 4, Appli
45	19	86.4	564	1	US-08-427-097-2	Sequence 2, Appli

ALIGNMENTS

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RESULT   1
US-08-462-949-2
; Sequence 2, Application US/08462949
; Patent No. 5606022
;  GENERAL INFORMATION:
;    APPLICANT:  Rasmussen, Beth Ann
;    TITLE OF INVENTION:  Cloning and Identification of a Two
;    TITLE OF INVENTION:  Component Signal Transducing Regulatory System from
;    TITLE OF INVENTION:  Bactoroides Fragilis
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Darby & Darby P.C.
;      STREET:  805 Third Avenue
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10022
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/462,949
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/023,764
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Robinson, Joseph R.
;      REGISTRATION NUMBER:  33,448
;      REFERENCE/DOCKET NUMBER:  0646/1B024-US1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-527-7700
;      TELEFAX:  201-753-6237
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  519 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-462-949-2


  Query Match             95.5%;  Score 21;  DB 1;  Length 519;
  Best Local Similarity   80.0%;  Pred. No. 2.9e+02;
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  Matches    4;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 AMVSE 5
          ||:||
Db    123 AMISE 127


RESULT   2
US-08-023-764B-2
; Sequence 2, Application US/08023764B
; Patent No. 5679540
;  GENERAL INFORMATION:
;    APPLICANT:  Rasmussen, Beth Ann
;    TITLE OF INVENTION:  Cloning and Identification of a Two
;    TITLE OF INVENTION:  Component Signal Transducing Regulatory System from
;    TITLE OF INVENTION:  Bacteroides Fragilis
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  American Cyanamid Company
;      STREET:  One Cyanamid Plaza
;      CITY:  Wayne
;      STATE:  New Jersey
;      COUNTRY:  United States
;      ZIP:  07470-8426
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/023,764B
;      FILING DATE:  26-FEB-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Barnhard, Elizabeth M.
;      REGISTRATION NUMBER:  31,088
;      REFERENCE/DOCKET NUMBER:  31,658-00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (201)831-3246
;      TELEFAX:  (201)831-3305
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  519 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-023-764B-2


  Query Match             95.5%;  Score 21;  DB 1;  Length 519;
  Best Local Similarity   80.0%;  Pred. No. 2.9e+02;
  Matches    4;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 AMVSE 5
          ||:||
Db    123 AMISE 127


RESULT   3
US-08-912-276-16
; Sequence 16, Application US/08912276
; Patent No. 6183952
;  GENERAL INFORMATION:
;    APPLICANT:  Billing-Medel, Patricia A.
;    APPLICANT:  Cohen, Maurice
;    APPLICANT:  Colpitts, Tracey L.
;    APPLICANT:  Friedman, Paula N.
;    APPLICANT:  Gordon, Julian
;    APPLICANT:  Granados, Edward N.
;    APPLICANT:  Hodges, Steven C.
;    APPLICANT:  Klass, Michael R.
;    APPLICANT:  Kratochvil, Jon D.
;    APPLICANT:  Roberts-Rapp, Lisa
;    APPLICANT:  Russell, John C.
;    APPLICANT:  Stroupe, Steven D.
;    TITLE OF INVENTION:  REAGENTS AND METHODS USEFUL
;    TITLE OF INVENTION:  FOR DETECTING DISEASES OF THE BREAST
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/912,276
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Becker, Cheryl L
;      REGISTRATION NUMBER:  35,441
;      REFERENCE/DOCKET NUMBER:  5972.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847/935-1729
;      TELEFAX:  847/938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  No. 6183952e
US-08-912-276-16


  Query Match             86.4%;  Score 19;  DB 4;  Length 15;
  Best Local Similarity   80.0%;  Pred. No. 22;
  Matches    4;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 AMVSE 5
          |:|||
Db      5 ALVSE 9


RESULT   4
PCT-US92-00282-21
; Sequence 21, Application PC/TUS9200282
;  GENERAL INFORMATION:
;    APPLICANT:  OWENS, IDA S.
;    APPLICANT:  RITTER, JOSEPH K.
;    TITLE OF INVENTION:  THE GENETIC LOCUS UGT1 AND A MUTATION
;    TITLE OF INVENTION:  THEREIN.
;    NUMBER OF SEQUENCES:  40
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CUSHMAN DARBY & CUSHMAN
;      STREET:  1615 L STREET, N.W.
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20036-5601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
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;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US92/00282
;      FILING DATE:  19920110
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SCOTT, WATSON T.
;      REGISTRATION NUMBER:  26581
;      REFERENCE/DOCKET NUMBER:  91532-PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-861-3000
;      TELEFAX:  202-822-0944
;      TELEX:  6714627 CUSH
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  44 amino acids
;      TYPE:  AMINO ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
PCT-US92-00282-21


  Query Match             86.4%;  Score 19;  DB 5;  Length 44;
  Best Local Similarity   80.0%;  Pred. No. 73;
  Matches    4;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 AMVSE 5
           :||||
Db      21 SMVSE 25


RESULT   5
US-08-912-276-23
; Sequence 23, Application US/08912276
; Patent No. 6183952
;  GENERAL INFORMATION:
;    APPLICANT:  Billing-Medel, Patricia A.
;    APPLICANT:  Cohen, Maurice
;    APPLICANT:  Colpitts, Tracey L.
;    APPLICANT:  Friedman, Paula N.
;    APPLICANT:  Gordon, Julian
;    APPLICANT:  Granados, Edward N.
;    APPLICANT:  Hodges, Steven C.
;    APPLICANT:  Klass, Michael R.
;    APPLICANT:  Kratochvil, Jon D.
;    APPLICANT:  Roberts-Rapp, Lisa
;    APPLICANT:  Russell, John C.
;    APPLICANT:  Stroupe, Steven D.
;    TITLE OF INVENTION:  REAGENTS AND METHODS USEFUL
;    TITLE OF INVENTION:  FOR DETECTING DISEASES OF THE BREAST
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/912,276
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Becker, Cheryl L
;      REGISTRATION NUMBER:  35,441
;      REFERENCE/DOCKET NUMBER:  5972.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847/935-1729
;      TELEFAX:  847/938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  69 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  No. 6183952e
US-08-912-276-23


  Query Match             86.4%;  Score 19;  DB 4;  Length 69;
  Best Local Similarity   80.0%;  Pred. No. 1.2e+02;
  Matches    4;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 AMVSE 5
           |:|||
Db       5 ALVSE 9


RESULT   6
US-08-821-451A-4
; Sequence 4, Application US/08821451A
; Patent No. 6066724
;  GENERAL INFORMATION:
;    APPLICANT:  Jian Ni, Guo-Liang Yu and Reiner Gentz
;    TITLE OF INVENTION:  Human Endometrial Specific Steroid-
;    TITLE OF INVENTION:  Binding Factor I, II and III
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CARELLA, BYRNE, BAIN, GILFILLAN,
;      ADDRESSEE:  CECCHI, STEWART & OLSTEIN
;      STREET:  6 BECKER FARM ROAD
;      CITY:  ROSELAND
;      STATE:  NEW JERSEY
;      COUNTRY:  USA
;      ZIP:  07068
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 INCH DISKETTE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  WORD PERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/821,451A
;      FILING DATE:  March 21, 1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/014,724
;      FILING DATE:  March 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MULLINS, J.G.
;      REGISTRATION NUMBER:  33,073
;      REFERENCE/DOCKET NUMBER:  325800-521 (PF257)
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-994-1700
;      TELEFAX:  201-994-1744
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  90 AMINO ACIDS
;      TYPE:  AMINO ACID
;      STRANDEDNESS:
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  PROTEIN
US-08-821-451A-4


  Query Match             86.4%;  Score 19;  DB 3;  Length 90;
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  Best Local Similarity   80.0%;  Pred. No. 1.6e+02;
  Matches    4;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 AMVSE 5
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Db      26 ALVSE 30


RESULT   7
US-09-263-810-4
; Sequence 4, Application US/09263810
; Patent No. 6174992
;  GENERAL INFORMATION:
;    APPLICANT:  Jian Ni, Guo-Liang Yu and Reiner Gentz
;    TITLE OF INVENTION:  Human Endometrial Specific Steroid-
;    TITLE OF INVENTION:  Binding Factor I, II and III
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CARELLA, BYRNE, BAIN, GILFILLAN,
;      ADDRESSEE:  CECCHI, STEWART & OLSTEIN
;      STREET:  6 BECKER FARM ROAD
;      CITY:  ROSELAND
;      STATE:  NEW JERSEY
;      COUNTRY:  USA
;      ZIP:  07068
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 INCH DISKETTE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  WORD PERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,810
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/821,451
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MULLINS, J.G.
;      REGISTRATION NUMBER:  33,073
;      REFERENCE/DOCKET NUMBER:  325800-521 (PF257)
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-994-1700
;      TELEFAX:  201-994-1744
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  90 AMINO ACIDS
;      TYPE:  AMINO ACID
;      STRANDEDNESS:
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  PROTEIN
US-09-263-810-4


  Query Match             86.4%;  Score 19;  DB 4;  Length 90;
  Best Local Similarity   80.0%;  Pred. No. 1.6e+02;
  Matches    4;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 AMVSE 5
           |:|||
Db      26 ALVSE 30


RESULT   8
US-08-912-276-15
; Sequence 15, Application US/08912276
; Patent No. 6183952
;  GENERAL INFORMATION:
;    APPLICANT:  Billing-Medel, Patricia A.
;    APPLICANT:  Cohen, Maurice
;    APPLICANT:  Colpitts, Tracey L.
;    APPLICANT:  Friedman, Paula N.
;    APPLICANT:  Gordon, Julian
;    APPLICANT:  Granados, Edward N.
;    APPLICANT:  Hodges, Steven C.
;    APPLICANT:  Klass, Michael R.
;    APPLICANT:  Kratochvil, Jon D.
;    APPLICANT:  Roberts-Rapp, Lisa
;    APPLICANT:  Russell, John C.
;    APPLICANT:  Stroupe, Steven D.
;    TITLE OF INVENTION:  REAGENTS AND METHODS USEFUL
;    TITLE OF INVENTION:  FOR DETECTING DISEASES OF THE BREAST
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/912,276
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Becker, Cheryl L
;      REGISTRATION NUMBER:  35,441
;      REFERENCE/DOCKET NUMBER:  5972.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847/935-1729
;      TELEFAX:  847/938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  90 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  No. 6183952e
US-08-912-276-15


  Query Match             86.4%;  Score 19;  DB 4;  Length 90;
  Best Local Similarity   80.0%;  Pred. No. 1.6e+02;
  Matches    4;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 AMVSE 5
           |:|||
Db      26 ALVSE 30


RESULT   9
US-09-583-169-4
; Sequence 4, Application US/09583169
; Patent No. 6338948
;  GENERAL INFORMATION:
;    APPLICANT:  Jian Ni, Guo-Liang Yu and Reiner Gentz
;    TITLE OF INVENTION:  Human Endometrial Specific Steroid-
;    TITLE OF INVENTION:  Binding Factor I, II and III
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CARELLA, BYRNE, BAIN, GILFILLAN,
;      ADDRESSEE:  CECCHI, STEWART & OLSTEIN
;      STREET:  6 BECKER FARM ROAD
;      CITY:  ROSELAND
;      STATE:  NEW JERSEY
;      COUNTRY:  USA
;      ZIP:  07068
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;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5 INCH DISKETTE
;       COMPUTER:  IBM PS/2
;       OPERATING SYSTEM:  MS-DOS
;       SOFTWARE:  WORD PERFECT 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/583,169
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/821,451
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  MULLINS, J.G.
;       REGISTRATION NUMBER:  33,073
;       REFERENCE/DOCKET NUMBER:  325800-521 (PF257)
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  201-994-1700
;       TELEFAX:  201-994-1744
;   INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  90 AMINO ACIDS
;       TYPE:  AMINO ACID
;       STRANDEDNESS:
;       TOPOLOGY:  LINEAR
;     MOLECULE TYPE:  PROTEIN
US-09-583-169-4


  Query Match             86.4%;  Score 19;  DB 4;  Length 90;
  Best Local Similarity   80.0%;  Pred. No. 1.6e+02;
  Matches    4;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 AMVSE 5
           |:|||
Db      26 ALVSE 30


RESULT  10
US-08-568-459A-14
; Sequence 14, Application US/08568459A
; Patent No. 5849306
;  GENERAL INFORMATION:
;     APPLICANT:  Sim, Kim L.
;     APPLICANT:  Chitnis, Chetan
;     APPLICANT:  Miller, Louis H.
;     APPLICANT:  Peterson, David S.
;     APPLICANT:  Su, Xin-zhaun
;     APPLICANT:  Wellems, Thomas E.
;     TITLE OF INVENTION:  BINDING DOMAINS FROM PLASMODIUM VIVAX
;     TITLE OF INVENTION:  AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;     NUMBER OF SEQUENCES:  37
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Knobbe Martens Olson & Bear
;       STREET:  620 Newport Center Drive  16th Floor
;       CITY:  Newport Beach
;       STATE:  California
;       COUNTRY:  US
;       ZIP:  92660
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/568,459A
;       FILING DATE:  07-DEC-1995
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Israelsen, Ned
;       REGISTRATION NUMBER:  29,655
;       REFERENCE/DOCKET NUMBER:  NIH121.001CP1
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (619) 235-8550
;       TELEFAX:  (619) 235-0176
;   INFORMATION FOR SEQ ID NO:  14:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  271 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:  internal
;     ORIGINAL SOURCE:
US-08-568-459A-14


  Query Match             86.4%;  Score 19;  DB 2;  Length 271;
  Best Local Similarity   80.0%;  Pred. No. 5.3e+02;
  Matches    4;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 AMVSE 5
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Db     141 AMLSE 145


RESULT  11
US-08-487-826B-26
; Sequence 26, Application US/08487826B
; Patent No. 5993827
;  GENERAL INFORMATION:
;     APPLICANT:  Sim, Kim L.
;     APPLICANT:  Chitnis, Chetan
;     APPLICANT:  Miller, Louis H.
;     APPLICANT:  Peterson, David S.
;     APPLICANT:  Su, Xin-zhaun
;     APPLICANT:  Wellems, Thomas E.
;     TITLE OF INVENTION:  BINDING DOMAINS FROM PLASMODIUM VIVAX
;     TITLE OF INVENTION:  AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;     NUMBER OF SEQUENCES:  45
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Knobbe Martens Olson & Bear
;       STREET:  620 Newport Center Drive  16th Floor
;       CITY:  Newport Beach
;       STATE:  California
;       COUNTRY:  US
;       ZIP:  92660
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/487,826B
;       FILING DATE:  10-SEP-1993
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Israelsen, Ned
;       REGISTRATION NUMBER:  29,655
;       REFERENCE/DOCKET NUMBER:  NIH121.001CP1
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (619) 235-8550
;       TELEFAX:  (619) 235-0176
;   INFORMATION FOR SEQ ID NO:  26:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  271 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:  internal
;     ORIGINAL SOURCE:
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US-08-487-826B-26

Query Match 86.4%; Score 19; DB 2; Length 271;
Best Local Similarity 80.0%; Pred. No. 5.3e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 AMVSE 5
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Db    141 AMLSE 145
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RESULT 12
US-09-036-987A-13
; Sequence 13, Application US/09036987A
; Patent No. 6143526
; GENERAL INFORMATION:
; APPLICANT: Baltz, Richard H.
; APPLICANT: Broughton, Mary C.
; APPLICANT: Crawford, Kathryn P.
; APPLICANT: Madduri, Krishnamurthy
; APPLICANT: Merlo, Donald J.
; APPLICANT: Treadway, Patti J.
; APPLICANT: Turner, Jan R.
; APPLICANT: Waldron, Clive
; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
; TITLE OF INVENTION: Production
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dow AgroSciences LLC Patent Department
; STREET: 9330 Zionsville Road
; CITY: Indianapolis
; STATE: Indiana
; COUNTRY: USA
; ZIP: 46268
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/036,987A
; FILING DATE: 09-MAR-1998
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Stuart, Donald R
; REGISTRATION NUMBER: 28,479
; REFERENCE/DOCKET NUMBER: 50,608
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317)337-4816
; TELEFAX: (317)337-4847
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 283 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-036-987A-13

Query Match 86.4%; Score 19; DB 4; Length 283;
Best Local Similarity 80.0%; Pred. No. 5.6e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 AMVSE 5
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Db    184 ALVSE 188
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RESULT 13
US-09-370-700-13
; Sequence 13, Application US/09370700
; Patent No. 6274350
; GENERAL INFORMATION:
; APPLICANT: Baltz, Richard H
; APPLICANT: Broughton, Mary C
; APPLICANT: Crawford, Kathryn P
; APPLICANT: Madduri, Krishnamurthy
; APPLICANT: Treadway, Patti J
; APPLICANT: Turner, Jan R
; APPLICANT: Waldron, Clive
; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
; FILE REFERENCE: 50489 DIV1
; CURRENT APPLICATION NUMBER: US/09/370,700
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/36987
; EARLIER FILING DATE: 1998-03-09
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 283
; TYPE: PRT
; ORGANISM: Saccharopolyspora spinosa
US-09-370-700-13

Query Match 86.4%; Score 19; DB 4; Length 283;
Best Local Similarity 80.0%; Pred. No. 5.6e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 AMVSE 5
          |:|||
Db    184 ALVSE 188
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RESULT 14
US-09-335-409-22
; Sequence 22, Application US/09335409
; Patent No. 6121029
; GENERAL INFORMATION:
; APPLICANT: Schupp, Thomas
; APPLICANT: Ligon, James
; APPLICANT: Molnar, Istvan
; APPLICANT: Zirkle, Ross
; APPLICANT: Cyr, Devon
; APPLICANT: Goerlach, Joern
; TITLE OF INVENTION: GENES FOR THE BIOSYNTHESIS OF EPOTHILONES
; FILE REFERENCE: 4-30582A
; CURRENT APPLICATION NUMBER: US/09/335,409
; CURRENT FILING DATE: 1999-06-17
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Sorangium cellulosum
US-09-335-409-22

Query Match 86.4%; Score 19; DB 3; Length 305;
Best Local Similarity 80.0%; Pred. No. 6e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 AMVSE 5
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Db     34 AMLSE 38
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RESULT 15
US-09-568-102-22
; Sequence 22, Application US/09568102
; Patent No. 6346404
; GENERAL INFORMATION:
; APPLICANT: Schupp, Thomas
; APPLICANT: Ligon, James
; APPLICANT: Molnar, Istvan

; APPLICANT: Zirkle, Ross
; APPLICANT: Cyr, Devon
; APPLICANT: Goerlach, Joern
; TITLE OF INVENTION: GENES FOR THE BIOSYNTHESIS OF EPOTHILONES
; FILE REFERENCE: 4-30582A
; CURRENT APPLICATION NUMBER: US/09/568,102
; CURRENT FILING DATE: 2000-05-10
; PRIOR APPLICATION NUMBER: 09/335,409
; PRIOR FILING DATE: 1999-06-17
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Sorangium cellulosum
US-09-568-102-22

Query Match 86.4%; Score 19; DB 4; Length 305;
Best Local Similarity 80.0%; Pred. No. 6e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy       1 AMVSE 5
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Db      34 AMLSE 38
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Job time: 822 sec